UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------------------------|------------------|
| 10/532,894 | 04/27/2005 | Josef Bock | 10808/235 | 8962 |
| 48581 7590 10/09/2007 BRINKS HOFER GILSON & LIONE INFINEON | | | EXAMINER | |
| | | | ESTRADA, MICHELLE | |
| PO BOX 10395 CHICAGO, IL 60610 | | | ART UNIT | PAPER NUMBER |
| · | | | 2823 | |
| | | | · · · · · · · · · · · · · · · · · · · | · |
| | | | MAIL DATE | DELIVERY MODE |
| | | | 10/09/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| · | | | | | |
|---|--|--|--|--|--|
| | Application No. | Applicant(s) | | | |
| | 10/532,894 | BOCK ET AL. | | | |
| Office Action Summary | Examiner | Art Unit | | | |
| | Michelle Estrada | 2823 | | | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply | | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE | N. nely filed the mailing date of this communication. D (35 U.S.C. § 133). | | | |
| Status | | | | | |
| 1) Responsive to communication(s) filed on 26 Ju | action is non-final. nce except for formal matters, pro | | | | |
| Disposition of Claims | | | | | |
| 4) ⊠ Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) 3 and 12-15 is/are with 5) ⊠ Claim(s) 2 and 8-11 is/are allowed. 6) ⊠ Claim(s) 1,4 and 5 is/are rejected. 7) ⊠ Claim(s) 6 and 7 is/are objected to. 8) □ Claim(s) are subject to restriction and/or | thdrawn from consideration. | | | | |
| Application Papers | | | | | |
| 9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the objected to by the Examiner. | epted or b) objected to by the formula of the following of the held in abeyance. See the formula of the drawing | e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d). | | | |
| Priority under 35 U.S.C. § 119 | | | | | |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | |
| Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/27/05. A Retent and Trademath Office. | | | | | |

DETAILED ACTION

Election/Restrictions

Applicant's election of the first species (claims 1, 2 and 4-11) in the reply filed on 7/29/07 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 4 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Hebert et al. (WO 97/17726).

Re claim 1, Hebert et al. disclose providing a semiconductor substrate (10); introducing at least a first buried layer (20) of the first bipolar transistor (50) and a second buried layer (20) of the second bipolar transistor (60) into the semiconductor substrate, and producing at least a first collector region having a first collector width (W_H) on the first buried layer and a second collector region having a second collector width (W_L) on the second buried layer (Fig. 10), wherein: a) for the production of the second collector width, a first collector zone having a first thickness is produced on the second buried layer, b) a second collector having a second thickness is produced on Art Unit: 2823

the first collector and c) at least one insulation region (the isolation structure (FOX) above 22) is produced which isolates at least the collector regions from one another (Fig. 10).

Re claim 4, Hebert et al. disclose wherein the second collector zone is deposited.

Re claim 5, Hebert et al. disclose wherein the second collector zone is deposited epitaxially.

Allowable Subject Matter

Claims 2 and 8-11 are allowed.

The following is an examiner's statement of reasons for allowance: there is no disclosure in the prior art of producing a second epitaxial layer which covers over the whole area, at least the first epitaxial layer and the second zone of the first buried layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claims 6 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 2823

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle Estrada whose telephone number is 571-272-1858. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michelle Estrada
Primary Examiner
Art Unit 2823

ME September 28, 2007